



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

OXVIG, Claus

Appln. No.: 09/983,025

Filed: October 22, 2001

For: PREGNANCY-ASSOCIATED
PLASMA PROTEIN-A2
(PAPP-A2)

ART UNIT: 1645

Examiner:

Washington, D.C.

January 23, 2003

Atty. Docket: OXVIG=1A

Confirmation No.: 7756

13/c

RESPONSE TO "SEQUENCE LISTING" REQUIREMENT

Honorable Commissioner of Patents
Washington, D.C. 20231

Sir:

In response to the Notice to Comply, mailed December 23, 2002, please amend the application as follows:

IN THE SPECIFICATION

Please replace the paragraph beginning at page 2, line 10, with the following rewritten paragraph:

The subunits of the PAPP-A/promBP complex can be irreversibly separated by reduction of disulfide bonds and denaturation (Oxvig et al., 1993, J Biol Chem 268, 12243-6). In reducing SDS-PAGE, the PAPP-A subunit has an apparent molecular weight of 200 kDa (Oxvig et al., 1994, Biochim Biophys Acta 1201, 415-23), and its 1547-residue sequence is known from cloned cDNA (Kristensen et al., 1994, Biochemistry 33, 1592-8). PAPP-A is synthesized as a pre-pro-protein (preproPAPP-A), including a 80-residue pre-pro-piece (Haaning et al., 1996, Eur J Biochem 237, 159-63). No proteins with global homology to PAPP-A has been reported in the literature, but PAPP-A contains sequence motifs, including an elongated